



Discharge of Water & Waste from Marine Vessels Standards & Regulations

(MARPOL Convention)

August 2010

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Discharge of Oil / Oily Water

Table I
Oil Tankers of all sizes
Control of discharge of oil from tank areas including cargo pump room

<p>With 50 nautical miles from the nearest land</p>	<p>Any discharge is prohibited, except clean or segregated ballast.</p>
<p>More than 50 nautical miles from the nearest land</p> <p><i>(and outside special areas)</i></p> <p><i>(Special areas = North Sea and Baltic Sea)</i></p>	<p>Any discharge is prohibited, except clean or segregated ballast or when:</p> <ol style="list-style-type: none"> 1- The tanker is proceeding en route, and 2- The instantaneous rate of discharge of oil does not exceed 30 liters/nm, and 3- The quantity of oil discharged into the sea does not exceed: <ul style="list-style-type: none"> - 1/15,000 for existing tankers - 1/30,000 for new tankers of the total quantity of the cargo which was carried on the previous voyage, and 4- The tanker has in operation a monitoring and control system for the discharge of oil, and stop tank arrangements as required by Regulation 15.

Discharge of Oil / Oily Water

Table II
Oil Tankers of all sizes + Other ships of 400 GRT and above
Control of discharge of oil from machinery spaces

<p>Within special areas</p>	<p>Any discharge is prohibited, except when:</p> <ol style="list-style-type: none"> 1- The ship is proceeding en route, and 2- The oil content of the effluent without dilution does not exceed 15 ppm, and 3- The ship has in operation oil filtering equipment with automatic 15 ppm stopping device, and 4- Bilge water is not mixed with oil cargo residue or cargo pump room bilges (on oil tankers).
<p>Outside special areas</p> <p><i>(Special areas = North Sea and Baltic Sea)</i></p>	<p>Any discharge is prohibited, except when:</p> <ol style="list-style-type: none"> 1- The ship is proceeding en route, and 2- The oil content of the effluent is less than 15 ppm, and 3- the ship has in operation an oil discharge monitoring and control systems, oily-water separating or filtering equipment of other installation required by Regulation 16, and 4- Bilge water is not mixed with oil cargo residue or cargo pump room bilges (on oil tankers). <p>Note: <i>Oily mixtures which are not mixed with oil cargo residue or cargo pump room bilges, and where the oil content of the effluent without dilution does not exceed 15 ppm may be discharge outside special areas without any additional restrictions.</i></p>

Discharge of Oil / Oily Water

Table III
Ships below 400 GRT other than oil tankers
Control of discharge oil from machinery spaces

Within special areas	Any discharge is prohibited, except when the oil content without dilution does not exceed 15 ppm
Outside special areas <i>(Special areas = North Sea and Baltic Sea)</i>	<p>Any discharge is prohibited, except when the Flag State considers that all the following conditions are satisfied as far as practicable and reasonable:</p> <ol style="list-style-type: none"> 1- The ship is proceeding en route, and 2- The oil content of the effluent is less than 15 ppm, and 3- the ship has in operation suitable equipment as required by Regulation 16. <p>Note: <i>Oily mixtures where the oil content of the effluent without dilution does not exceed 15 ppm may be discharged without any additional restrictions.</i></p>

Noxious Liquid Substances in Bulk

General

Division of noxious substances into four categories:

Category	Hazard to marine resources or human health	Harm to amenities or other legitimate uses of the sea
A	Major Hazard	Serious Harm
B	Hazard	Harm
C	Minor Hazard	Minor Harm
D	Recognizable Hazard	Minimal Harm

Noxious Liquid Substances in Bulk

Group	Discharge of cargo residues (In all areas)	
A,B and C	<ul style="list-style-type: none"> - Ship is proceeding en route - Minimum speed 7 knots (self propelled) or 4 knots (not self propelled) - At least 12 nautical miles from the nearest land - Discharge below the waterline - Minimum water depth 25 meters 	
And	Outside special areas	Within special areas (<i>Baltic Sea, Black Sea, Antarctica</i>)
A	Maximum concentration of tank washings 0.1 percent by weight	Maximum concentration of tank washings 0.05 percent by weight
B	<ul style="list-style-type: none"> - Per tank max 1 cubic meter or 1/3,000 of the tank capacity in cubic meters. - Concentration of the substance in the wake astern of the ship max 1 ppm 	<ul style="list-style-type: none"> - the tank has been pre-cleaned, and the washings have been discharge to a reception facility - concentration of the substance in the wake astern of the ship max. 1 ppm
C	<ul style="list-style-type: none"> - Per tank max 3 cubic meter or 1/1,000 of the tank capacity in cubic meters. - Concentration of the substance in the wake astern of the ship max 10 ppm 	<ul style="list-style-type: none"> - Per tank max 1 cubic meter or 1/3,000 of the tank capacity in cubic meters. - Concentration of the substance in the wake astern of the ship max 1 ppm
D	<ul style="list-style-type: none"> - Ship is proceeding en route - Minimum speed 7 knots (self propelled) or 4 knots (not self propelled) - At least 12 nautical miles from the nearest land - Max one part of the substance in 10 parts of water 	

Sewage from Ships

Discharge Regulations

In force since 27 September 2003

Sewage		
From Treatment Plants	Comminuted and disinfected	Untreated
<ul style="list-style-type: none"> - Treatment plant has been approved by the Administration - No visible floating solids or discoloration of surrounding water 	<ul style="list-style-type: none"> - Treatment plant has been approved by the Administration - At least 4 nautical miles from the nearest land 	<ul style="list-style-type: none"> - Retained in the holding tanks - At least 12 nautical miles from the nearest land - Discharge rate approved by the Administration - Ship is proceeding en route - Minimum speed 4 knots

Garbage from Ships

Disposal Regulations

Within Special Areas			Outside Special Areas		
Plastics	Other Garbage	Food Waste	Plastics	Dunnage, lining and packing material which float	Food wastes and other garbage
Prohibited	Prohibited	At least 12 nautical miles from nearest land	Prohibited	At least 25 miles from nearest land	At least 12 nautical miles from nearest land <u>But</u> 3 nautical miles if comminuted or grinded

Special Areas:

- North Sea
- Baltic Sea
- Mediterranean Sea
- Black Sea
- Red Sea
- Arabian Gulf
- Antarctica
- Caribbean



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